

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L1    | 1     | "668721".apn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:28 |
| L2    | 0     | "668721".apn. and (commut\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:55 |
| L4    | 13979 | 707/3,5,104.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:55 |
| L5    | 5223  | (search\$3 query\$3) with<br>(refinement refin\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:56 |
| L6    | 5576  | (search\$3 query\$3 sort) with<br>(refinement refin\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:56 |
| L7    | 5914  | (search\$3 query\$3 sort\$3) with<br>(refinement refin\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:56 |
| L8    | 1143  | 4 and 7  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:56 |
| L9    | 99    | 8 and (stor\$3 and (log\$1 logging)<br>and (match\$3 with (data file<br>document\$1)) and (scor\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/11 20:59 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| L10 | 20 | 8 and (stor\$3 and (log\$1 logging) and (match\$3 with (data file document\$1)) and (scor\$3) and (cluster\$3 group\$3 portion\$3 sub?group\$3 subgroup\$3) and (vector same distance))             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/11 21:01 |
| L11 | 16 | 8 and (stor\$3 and (log\$1 logging) and (match\$3 with (data file document\$1)) and (scor\$3) and (cluster\$3 group\$3 portion\$3 sub?group\$3 subgroup\$3) and (vector same distance) and rank\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/11 21:02 |
| L12 | 14 | 11 and (threshold limit)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/11 21:02 |

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[Preferences](#)Try uppercase "OR" to search for either of two terms. [\[details\]](#)**Web**Results 1 - 10 of about 939,000 for **(search or query) refinement**. (0.43 seconds)**Search Engine Land: Search Features: Query Refinement Archives**

**Search Features: Query Refinement ... Search Features: Query Refinement, - Search Features: Safety, - Search Features: Search History & Personalization ...**  
[searchengineland.com/guides/search\\_features\\_query\\_refinement.php](http://searchengineland.com/guides/search_features_query_refinement.php) - 69k -  
[Cached](#) - [Similar pages](#)

**Robert Scoble Wants What We Had -- Better Query Refinement. So Do !!**

Robert Scoble Wants What We Had -- Better **Query Refinement**. So Do !! Robert Scoble's just finished reading John Battelle's book **The Search** and ponders ...  
[blog.searchenginewatch.com/blog/051003-124141](http://blog.searchenginewatch.com/blog/051003-124141) - 75k - [Cached](#) - [Similar pages](#)

**More On Query Refinement, The Human Scale Problem & Creating The ...**

Yesterday, I wrote of how **search** engines could do a better job of **query refinement** and indeed did so in the past, especially because there was more human ...  
[blog.searchenginewatch.com/blog/051004-095040](http://blog.searchenginewatch.com/blog/051004-095040) - 73k - [Cached](#) - [Similar pages](#)  
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**Patterns of Search: Analyzing and Modeling Web Query Refinement**

Patterns of **Search**: Analyzing and Modeling Web **Query Refinement**. Tessa Lau.  
Department of Computer Science and Engineering University of Washington ...  
[research.microsoft.com/~horvitz/queryrefine.htm](http://research.microsoft.com/~horvitz/queryrefine.htm) - 3k - [Cached](#) - [Similar pages](#)

**[PDF] Mining Anchor Text for Query Refinement**

File Format: PDF/Adobe Acrobat - [View as HTML](#)  
anchor text, Web **search**, **query refinement**, rank aggregation, **query**. logs, searching and ranking, data mining. 1. INTRODUCTION. The popularity of **search** ...  
[www2004.org/proceedings/docs/1p666.pdf](http://www2004.org/proceedings/docs/1p666.pdf) - [Similar pages](#)

**Retina**

**Query** by example; **Query refinement** by example; Keyword **search**; Wildcard **search**;  
**Query** language specification; Soundex algorithm; Federated **search** ...  
[www.autonomy.com/content/Products/Retina/index.en.html](http://www.autonomy.com/content/Products/Retina/index.en.html) - 118k - [Cached](#) - [Similar pages](#)

**Patterns of Search: Analyzing and Modeling Web Query Refinement ...**

We discuss the construction of probabilistic models centering on temporal patterns of **query refinement**. Our analyses are derived from a large corpus of Web ...  
[citeseer.ist.psu.edu/270469.html](http://citeseer.ist.psu.edu/270469.html) - 23k - [Cached](#) - [Similar pages](#)

**Query Refinement for Domain-Specific Web Search (ResearchIndex)**

The expansion of the Internet and the number of its users has raised many new problems in information retrieval. The most common way to find information in ...  
[citeseer.ist.psu.edu/660676.html](http://citeseer.ist.psu.edu/660676.html) - 27k - [Cached](#) - [Similar pages](#)  
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**Interactive Web search by graphical query refinement**

Interactive Web **search** by graphical **query refinement**. Junji Tomita NTT Cyber Space Laboratories 1-1 Hikari-no-oka, Yokosuka-Shi, Kanagawa, 239-0847, Japan ...  
[www10.org/cdrom/posters/p1078/index.htm](http://www10.org/cdrom/posters/p1078/index.htm) - 12k - [Cached](#) - [Similar pages](#)

**Search Spam, Marketing, Artificial Intelligence & Search Query ...**  
**Search query refinement** and artificial intelligence. Parody SEO press release.  
Questioning the concept of relevance. Yahoo! Music launches new business ...  
[www.seobook.com/archives/000858.shtml](http://www.seobook.com/archives/000858.shtml) - 14k - [Cached](#) - [Similar pages](#)

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(search or query) refinement and log (storing or saving) search queries

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The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

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**Web** Results 1 - 10 of about 143,000 for (search or query) refinement and log (storing or saving) search queries

### Focused Crawling

A different design is conceivable in which keyword **search** is used to ... In the context of **query refinement**, two-way interactive classifiers have been used ...

[www8.org/w8-papers/5a-search-query/crawling/index.html](http://www8.org/w8-papers/5a-search-query/crawling/index.html) - 88k - [Cached](#) - [Similar pages](#)

### [PDF] LNCS 3306 - Query-Log Based Authority Analysis for Web Information ...

File Format: PDF/Adobe Acrobat

**Query-Log Based Authority Analysis for Web Information Search.** 95. A. **query** node. document node. **query refinement**. **query** result click. citation ...

[www.springerlink.com/index/YHTQ8RFR3FV9T0YD.pdf](http://www.springerlink.com/index/YHTQ8RFR3FV9T0YD.pdf) - [Similar pages](#)

### SearchPad: Explicit Capture of Context to Improve Web Search

It allows the **search** service to collect **query** specific result relevance and usage data.

Specifically, SearchPad can **log** for each client: ...

[www9.org/w9cdrom/173/173.html](http://www9.org/w9cdrom/173/173.html) - 34k - [Cached](#) - [Similar pages](#)

### Analysis of a very large web search engine query log

In this paper we present an analysis of an AltaVista **Search Engine query log** consisting of approximately 1 billion entries for **search** requests over a period ...

[portal.acm.org/citation.cfm?id=331405](http://portal.acm.org/citation.cfm?id=331405) - [Similar pages](#)

### Using terminological feedback for web search refinement

Using terminological feedback for web **search refinement**: a log-based study ... Reiner Kraft , Jason Zien, Mining anchor text for **query refinement**, ...

[portal.acm.org/citation.cfm?id=860453&](http://portal.acm.org/citation.cfm?id=860453&dl=ACM&coll=&CFID=15151515&CFTOKEN=6184618)

[dl=ACM&coll=&CFID=15151515&CFTOKEN=6184618](http://portal.acm.org/citation.cfm?id=860453&dl=ACM&coll=&CFID=15151515&CFTOKEN=6184618) - [Similar pages](#)

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### [PDF] Query-log based Authority Analysis for Web Information Search

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**Query logs** are **log** files generated by **search** engines or web browsers, ... to some **storage-saving** policy of web browsers multiple visits to one website are ...

[domino.mpi-sb.mpg.de/.../b6b8a29881328ba9c125718c00478782/\\$FILE/Masterarbeit-Luxenburger-julia-2004.pdf](http://domino.mpi-sb.mpg.de/.../b6b8a29881328ba9c125718c00478782/$FILE/Masterarbeit-Luxenburger-julia-2004.pdf) - [Similar pages](#)

### [PDF] Personalizing Search via Automated Analysis of Interests and ...

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especially in Web **search**, explicit **query refinement** is rarely used ... In use, the method essentially sums over **query** terms the **log** odds. of the **query** terms ...

[research.microsoft.com/~horvitz/SIGIR2005\\_personalize.pdf](http://research.microsoft.com/~horvitz/SIGIR2005_personalize.pdf) - [Similar pages](#)

### Evaluating Refined Queries in Top-k Retrieval Systems

Index Terms- Multidimensional indexing, k-nearest neighbor **search**, similarity **queries**, **query refinement**, relevance feedback. Citation: Kaushik Chakrabarti ...

[csdl.computer.org/comp/trans/tk/2004/02/k0256abs.htm](http://csdl.computer.org/comp/trans/tk/2004/02/k0256abs.htm) - [Similar pages](#)

### Tools for Browsing Environmental Data:<BR> The Alexandria Digital ...

Distributed **storage** provides the only feasible architecture for multiple ... Flexible **search**

and **query** intelligent georeferencing, object based **query**, ...

[www.ncgia.ucsb.edu/conf/SANTA\\_FE\\_CD-ROM/](http://www.ncgia.ucsb.edu/conf/SANTA_FE_CD-ROM/)

[sf\\_papers/buttenfield\\_babs/babs\\_paper.html](#) - 22k - [Cached](#) - [Similar pages](#)

[doc] [The Impracticality fo Relevance Feedback in Internet Search Engines](#)

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My **search** for "Inflatable Penguin" offered greatly varied results among the **search** engines for both retrieved web sites and **query refinement** options. ...

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(search or query) refinement and (cluster) and

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**Web** Results 1 - 10 of about 67,400 for [\(search or query\) refinement and \(cluster\) and \(vector with distance\)](#)

### Grouper: A Dynamic Clustering Interface to Web Search Results

Many **search** engines provide **query refinement** features. Excite [\[www.excite.com\]](#), ...

Figure 6b: The click **distance** as a function of the document's **rank**. ...

[www8.org/w8-papers/3a-search-query/dynamic/dynamic.html](#) - 76k -

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### S Sewraz: A Visual Information-Retrieval Navigator

**Search** results could be improved by **query refinement** which means augmenting the ...

**cluster** display; fixed quantity of clusters; size and colour; **distance** ...

[mmir.doc.ic.ac.uk/pr-s.sewraz-1999/abstract.html](#) - 21k - [Cached](#) - [Similar pages](#)

### Google Advisor - Google's Query Refinements

The best suggested **query refinement** contains the highest number **search query** terms ...

which represent the weighted center of each **cluster's** term **vector**. ...

[www.googleadvisor.org/queryrefinements.html](#) - 11k - [Cached](#) - [Similar pages](#)

### [PDF] SVD Subspace Projections for Term Suggestion Ranking and Clustering

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computing similarity scores for a **query** through projection. into the reduced **rank** SVD subspace. According to the **vector** space model, every **search** term in a ...

[www.stanford.edu/~dgleich/publications/svd-subspace-projections.pdf](#) - [Similar pages](#)

### A Look at Google Query Refinements -- SEO by the SEA

So, assume that a **cluster** is calculated for the **search query** "jaguar" for the ... the highest

**ranking** clusters are considered potential **refinement** clusters. ...

[www.seobythesea.com/?p=174](#) - 58k - [Cached](#) - [Similar pages](#)

### [PDF] A fuzzy feature clustering with relevance feedback approach to ...

File Format: PDF/Adobe Acrobat

Each **cluster** center reflects the **distance** of a. feature **vector** from that **cluster** center. ...

**search**. After the **query** image regions are fed into system, the ...

[ieeexplore.ieee.org/iel5/8695/27538/01227030.pdf?arnumber=1227030](#) - [Similar pages](#)

### [PDF] Concept-based web communities for google/supTM/ search engine ...

File Format: PDF/Adobe Acrobat

**query**. conceptually **cluster**.. and **rank** ... **distance** to the activation value of the prototype **vector**. ... conceptually match and **rank** homepages based on ...

[ieeexplore.ieee.org/iel5/8573/27148/01206589.pdf](#) - [Similar pages](#)

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### [PDF] SVD Subspace Projections for Term Suggestion Ranking and Clustering

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**search refinement** based on orthogonal subspace projections. ... in the matrix A. The angle between a **query vector** and any. other term **vector** in the matrix ...

[www.gg.caltech.edu/~zhukov/papers/sigir04.pdf](#) - [Similar pages](#)

### [PPT] search ppt

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**Search** engine with a good **ranking** function will generally show a ... 'correcting' the ranks to the user's taste; automates the **query refinement** process ...  
[www.cse.iitb.ac.in/~soumen/mining-the-web/slides/search.ppt](http://www.cse.iitb.ac.in/~soumen/mining-the-web/slides/search.ppt) - [Similar pages](#)

Chang, E.; Li, C.; Wang, J.; Mork, P.; Wiederhold, G.: Searching ...  
It also provides a way to incorporate a user's relevant feedback to perform **query refinement** by moving the subsequent **search** towards a more relevant **cluster** ...  
[dbpubs.stanford.edu/pub/1999-36-42k](http://dbpubs.stanford.edu/pub/1999-36-42k) - [Cached](#) - [Similar pages](#)

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### Scholarly articles for **IEEE International Conference on Fuzzy Systems FOR 2003**



[System identification: theory for the user](#) - Ljung - Cited by 4442

[Multilayer feedforward networks are universal approximators](#) - Hornik - Cited by 2839

[Genetic algorithms+ data structures= evolution programs](#) - Michalewicz - Cited by 5252

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### [PDF] **FUZZ - The 12th IEEE International Conference on Fuzzy Systems ...**

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**2003. THE IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS. PROCEEDINGS. VOLUME 2. EXPLORING NEW FRONTIERS. MAY. 25-28. 2003 ...**

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### **CIFer'03: Conference on Computational Intelligence for Financial ...**

**2003 International Conference on Computational Intelligence for Financial Engineering ...**

**Fuzzy Systems and Rough Sets Genetic and Evolutionary Computing ...**

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### [PDF] **Interval-Related Talks at the 2003 IEEE International Conference ...**

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**International Conference on Fuzzy Systems**. St. Louis, Missouri, May 25–28, 2003. On May 25–28, an annual international conference on fuzzy systems was held ...

[www.springerlink.com/index/H306778033712624.pdf](http://www.springerlink.com/index/H306778033712624.pdf) - [Similar pages](#)

### **WCCI 2002**

**2003 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE2003)**, Submission

Deadline was November 26, 2002. **2003 Congress on Evolutionary Computation ...**

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### **The 2007 IEEE International Conference on Granular Computing (GrC ...**

**RSFDGrC'03 : 9th International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing**, Chongqing, China, Oct 18-22, 2003(sponsored by ...

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### **... iDEA Lab**

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**IEEE International Conference on Fuzzy Systems**, pp. ...

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